

ABSTRACT

The present invention relates to a therapeutic agent for osteoporosis which comprises an active ingredient of quercetin derivatives. The quercetin derivatives of the invention can be practically applied for the treatment and prevention of osteoporosis, since they effectively inhibit osteoclast proliferation and stimulate osteoblast proliferation more than conventional therapeutic agents for osteoporosis, and increase trabecular bone area highly without changing hormone level in body and untoward effects on hematopoietic function and immune system.